

THE SIPRO MID - TERM III EXAMINATIONS 2024

SUBJECT : MATHEMATICS

CLASS : PRIMARY FIVE

DURATION : 2 hours 30 minutes

Name : _____

School : _____

District : _____

READ THE FOLLOWING INSTRUCTIONS CAREFULLY:

1. This paper has two sections: **A** and **B**.
2. Section **A** has **20** questions (**40 Marks**).
3. Section **B** has **12** questions (**60 Marks**).
4. Attempt all questions in both sections. All answers to both sections **A** and **B**. must be written in the spaces provided.
5. All answers must be written in blue or black ball point pens or **ink**. Only diagrams and graph work must be done in **pencil**.
6. Unnecessary **alteration** of work will lead to loss of marks.
7. Any **handwriting** that cannot be easily read may lead to loss of marks.
8. Do not fill anything in the boxes indicated:
"FOR EXAMINER'S USE ONLY"

For Examiner's Use Only;

PAGES	MARKS	INITIALS
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Page 2		
Page 3		
Page 4		
Page 5		
Page 6		
Page 7		
Total		

Please turn over



THE **SIPRO EDUCATIONAL SERVICES LIMITED - KAMPALA**

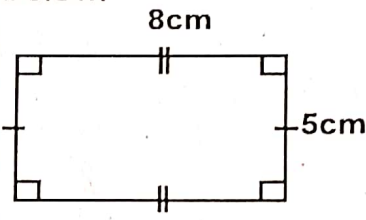
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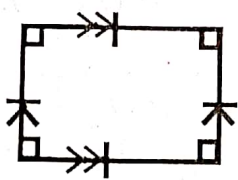
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SECTION A: 40 MARKS*Attempt all questions in this section.**Questions 1 to 20 carry two marks each.*

1.	Given that set $K = \{c, a, r, s\}$; Find $n(K)$	2.	Express 0.5 to its simplified fraction.
3.	Solve for p ; $8p = 32$.	4.	In a primary five class, there are 26 boys . Represent the number of boys in tally form.
5.	Work out the sum of the first 4 composite numbers.	6.	Find the area of the figure below. 
7.	Convert 29 to Roman numerals.	8.	Using a ruler, a pencil and a protractor, draw an angle of 50° .
9.	Work out; years months 3 8 +2 5 ----- -----	10.	Musa had coins of sh. 200. If he bought a geometry set at sh. 2,000 ; how many coins did he pay?



11.	Find the next number in the sequence below; 7, 10, 14, 17, 21, _____.	12.	Namu collected 6,924 bags of coffee on Monday and 1,296 bags of coffee on Tuesday. Find the sum of the bags collected in two days.
13.	Given that set X = {all the first 4 odd numbers} and set Y = {all the first 4 prime numbers}. Find n(X ∩ Y) .	14.	Work out; $\frac{3}{5} \div \frac{2}{5}$
15.	Round off 9485 to the nearest hundreds .	16.	Express 180 seconds as minutes .
17.	Show the lines of folding symmetry in the figure below: 	18.	A bag costs sh.15,000 . What is the cost of 6 similar bags at the same rate?
19.	Work out; $17 - 10 + 3$.	20.	Fill in the missing number in the box below. <div style="display: inline-block; border: 1px solid black; width: 40px; height: 30px; vertical-align: middle;"></div> $\times 5 = 30$



SECTION B: 60 MARKS*Attempt all questions in this section.**Marks for each part of the question are indicated in the brackets.*

21.a) **Add;** $\frac{3}{4} + \frac{1}{5}$ (02 marks)

b) Sandra had $\frac{8}{11}$ of the sugarcane and ate $\frac{3}{11}$. What **fraction** of the sugarcane did she remain with? (02 marks)

22. Using a ruler, a pencil and a pair of compasses only, construct an equilateral triangle ABC where $AB = BC = AC = 5\text{cm}$. (04 marks)

23 a) Change **400mm** to cm. (02 marks)

b) Work out the **area** of a rectangle whose length is **12cm** and breadth is **8cm**. (02 marks)

24. Juma went shopping as shown below;

a) Complete the table correctly.

(05 marks)

Quantity	Unit cost	Total cost
2kg of meat	sh.15,000 per kg	sh. _____
_____ bars of soap	sh 5,000 each bar	sh. 20,000
$1\frac{1}{2}$ litres of cooking oil	sh. _____ per litre.	sh. 15,000
3kg of rice	sh. 3500 per kg	sh. _____
Total expenditure		sh. _____

b) If he was given a change of **sh. 2,000**, How much did he have at first?
(02 marks)

25.a) If a revolution has **360°**; how many revolutions are in **720°**?
(02 marks)

b) A **dow** was facing South. In which direction will it face, if it turns **135°** clockwise? (03 marks)

26.a) Find the **square** of 14.
(02 marks)

b) Prime factorise **36** and give your answer in **power form**.
(02 marks)

27

Given that set $R = \{\text{all the first 5 prime numbers}\}$ and set $S = \{\text{all the first 5 odd numbers}\}$.

a) List the **elements** in;

i) set $R = \{$

$\}$

(01 mark)

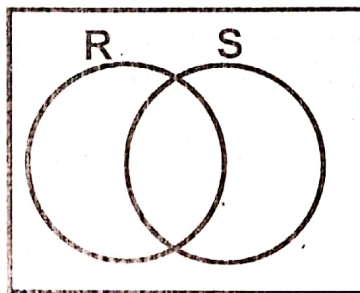
ii) set $S = \{$

$\}$

(01 mark)

b) **Represent** the two sets on the venn diagram below.

(03 marks)



28 a) **Write** "four hundred nine thousand, five hundred fifty-five" in **figures**. (02 marks)

b)

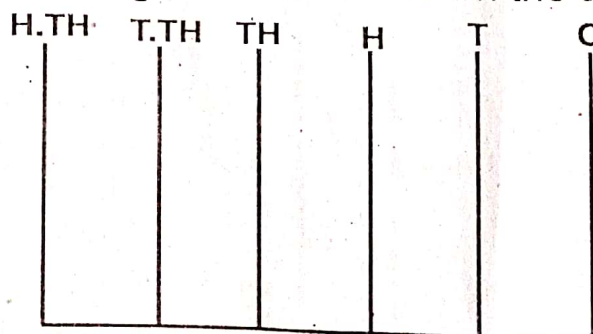
Expand the above figure in **value form**.

(02 marks)

c)

Represent the figure in "a" above on the **abacus** below.

(02 marks)



Work out; weeks

3

2

days

4

6

(02 marks)

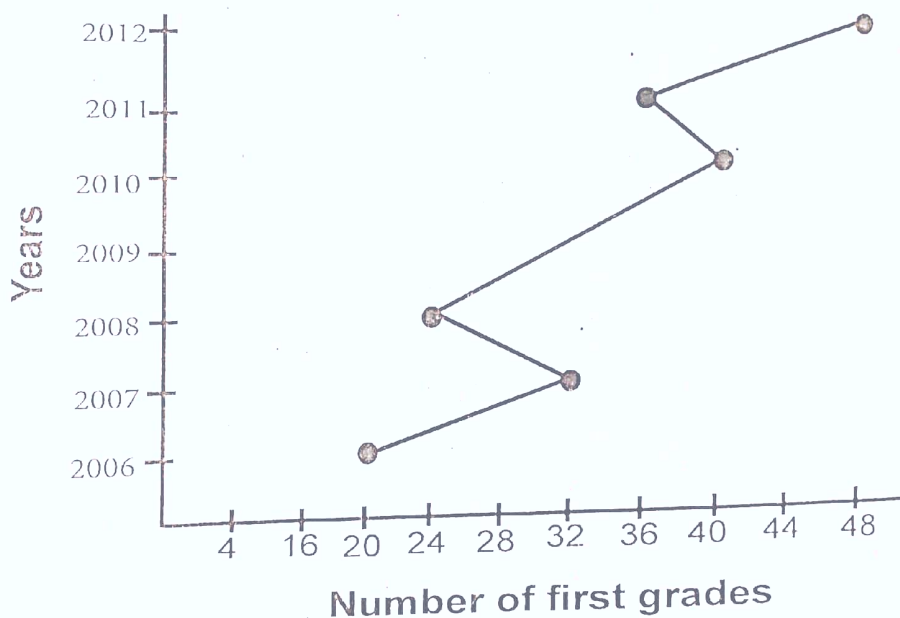
b)

A car moved a distance of 120 km in $1\frac{1}{2}$ hours. Work out the average speed it was travelling.

(02 marks)

30.

The variation graph below shows the performance for academic year from 2006 to 2012. Use it to answer the questions that follow.



a) In which year did the school get 36 first grades?

(01 mark)

b)

How many first grades did the school get in **2010**? (02 marks)

(02 marks)

c)

Calculate the total first grades the school got in 6 years. (02 marks)

(02 marks)

<p>31.a) Find the missing number.</p> <p>i) $\square \div 8 = 6$ (02 marks)</p>	<p>ii) $\frac{\square}{4} = 9$ (02 marks)</p>
<p>b) Oliva had tins of beef. She sold 42 of them and remained with 18. How many tins of beef did she have? (02 marks)</p>	
<p>32.a) There are 125 boxes of soap. Each box contains 30 bars of soap. How many bars of soap are there? (02 marks)</p>	<p>b) A head teacher bought 485 textbooks. He gave them out to thirteen classes equally.</p> <p>i) How many textbooks did each class get? (02 marks)</p>
<p>ii) How many textbooks remained? (02 Marks)</p>	

